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Good morning/evening it is Sunday the 3rd of September 2006

and here is ANARTS with our weekly RTTY broadcast bringing

you - cast 1412.

We transmit on 40 metres 7042 each Sunday morning at 0030

UTC and 80 metres 3542 each Sunday evening at 0930 UTC.

Selected items from this cast are also transmitted by

the Westlakes Amateur Radio Club. Time of transmission is

1930 local time on Tuesdays and the frequency is 146.775MHZ.

ANARTS now has a web site at www.anarts.com.au

where information about the society can be found, as well as

the weekly broadcast texts.

Views expressed in this news bulletin are not necessarily

those of the Broadcast Officer, the Relay Officers, or of

the Society.

Items in this broadcast include

1. Cols column

2. IPS REPORT

3. VK2SG RTTY DX report

4. OPDX News

5. Anarts Information

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A.N.A.R.T.S. News Bulletin 1412 for 1st of September 2006

Col's Column

Propagation of Radio Waves.

Ionospheric Irregularities.

2. Sporadic E.

Sporadic E layer conditions cause the E layer to refract radio waves above the normal E layer MUF and at times even well above the F2 layer MUF.

The nature and cause of the Sporadic E phenomena is not
as yet understood,

although it is believed in some quarters to be caused by
Meteors.

During the daytime in the lower latitudes, Sporadic E
conditions usually bring about a weak and partial refraction of all frequencies
up to 10-15 Mhz, with the remainder of the energy of the wave being refracted
from the higher layers. At higher latitudes, Sporadic E generally results in
almost total refraction of all sky wave signals by the E layer, this condition
being noticeable during both day and night.

Not only does Sporadic E affect HF transmissions, but on
occasions causes VHF contacts over considerable distances on frequencies up to
about 60 Mhz.

Next week Sudden Ionospheric Storms (SID's).

As you know, I shall be leaving Australia in October for
at least a year.

If you are able to do one of the following, ANARTS is
looking for you.

1. We need a Relay Officer to transmit ANARTS RTTY
Broadcast on Sunday mornings. The cast is approximately 30 to 40 mins in
duration. The cast would be sent to you on Saturdays by Email. If you are at
all interested please contact either Pat VK2JPA or myself VK2CTD at the
addresses shown at the end of this broadcast.

2. We will also need a Contest Manager to oversee ANARTS
WW RTTY Contest, which is very popular with overseas stations. This year
approximately 400 entries were received by Email, and probably 1500 Amateurs
around the World took part. You do not need to do any Transmitting or
Receiving.

The logs are converted into ANARTS format by a converter
program and then can be put through a checking program that checks the log and
provides the Manager with several pieces of information, including the number
of QSO's, Points, Multiples, Continents worked and the Grand Total Points
scored by each Contester, plus much, much more. The Contest is held each year
in June. If you would like to try this task, you will be provided with the
programs involved and some tuition.

If you are at all interested in RTTY and its related
digital modes, you will really enjoy taking part in either of these two
activities, and for the Contest Managers job you do not need to be in Sydney,
anywhere in Australia will be fine as contact can be via Emails.

Hope to hear from you

73's Col VK2CTD.

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IPS Weekly Solar and Geophysical Report for 25th to 31st
August, issued on 1st September by the IPS Radio and Space Services

SUMMARY

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Date
25    26    27
28    29    30
31

10cm flux
77    76    79
76    73    74
83

AFr index
0     2    12
9     9     5
(5 estimated)

Aaus index
1     1    11
11     7     5
(10 estimated)

T index
9     9    23
14    16    17
14
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Solar flare activity was very low on 25th, 27th, 30th and 31st; and low otherwise.

Geomagnetic activity observed for the Australian Region was quiet on 25th, 26th and 30th; and quiet to unsettled on other days.

Southern Australian Ionospheric F2 critical frequencies were near predicted on 25th, 26th, and 28th to 30th; near predicted to 15 per cent enhanced on 27th; and near predicted to 20 per cent enhanced on 31st.

Forecast for 1st to 7th September

Solar activity is expected to see very low to low conditions, with few active sunspots currently on disc and no significant returning regions. There is a remote chance of increased activity for day 1 and day 2 of this forecast if emerging region 906 continues to grow.

Geomagnetic activity should see quiet to unsettled conditions expected. No coronal hole activity is expected for the first 3-4 days of this forecast.

Frequencies should be near predicted monthly values.

courtesy of the IPS Radio and Space Services

summary by Pat VK2JPA ANARTS Broadcast Officer

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RTDX0831 RTTY DX

VK2SG RTTY DX NOTES FOR WEEK ENDING 31 AUGUST 2006 (BID RTDX0831)

This week our information came from AA5AU, GU0SUP, I5FLN,

UT5RP,

and the Central Europe clusternode DB0SPC. Thank you all.

Friday 25

0101-14082 TG9SM

1050-14089 HZ1IK

1118-14082 4L4CR

1347-14080 BD7YK

1423-14084 6K2DFG

1435-14085 EX8AB

1648-14090 DS5DRA

1835-14085 KL7WC

1836-14080 CN8IG

1947-14088 ZX7NTL

2118-14088 6W1SE

2205-14086 FM5AA

2242-14083 HK6PSG

2343-14081 CO8ZZ

2349--7038 OM5TX

Saturday 26

0211-14084 CN8SG

0631-14082 ER5GB

0932-21080 JY4NE

1212-14086 RU0LL

1216-14105 VR2XLN

1238-14082 KP4AH

1315-14095 4X6UU

1337-14086 XE3RCC

1350-14094 KP4JRS

1405-14102 HZ1IK

1543-14078 GU0SUP

1547--7038 UA0WL

1601-14082 7X0RY

1642-14104 TF3KX

1758--7031 UO6P

1759-14091 XE2BC

1856-14081 CN8LI

1910--7033 ZC4LI

1922-14092 KP4AH

1927-21089 LW9EOC

1933-14077 EI6HB

1936--7038 7X0RY

1947-14106 PY2NY

1952-14074 NP4BM

1957-14097 T93Y

2004-14090 VA7ST

2018-14075 JY4NE

2047-14084 RU2FL

2128-14101 YV5AAX

2238-14084 AL7QQ

2244-10142 EA6BH

2247-14098 XE2BC

2312--7043 NP4BM

2317-14081 P29ZAD

2319--7035 E21YDP

2334-14085 XE3RCC

2337--7035 PY2NY

2357-14091 DU1RB

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Sunday 27

0006-14093 YV5AAX

0008-14083 YB2ECG

0033-14081 UO6P

0038-14082 7X0RY

0105--7036 KP4AH

0123-21083 UA0FGZ

0129--7031 YV5AAX

0138-21090 E21YDP

0139--7041 7X0RY

0151-14085 XE3RCC

0156-14091 FO5EM

0200-14094 KH6FI

0212-14085 FO5PS

0218-14081 N6KZB/XE2

0232-14085 ZL3RG

0235--7035 AL7QQ

0313--7034 ZC4LI

0322--7039 XE3RCC

0343--7033 PY2NY

0430-14104 P29ZAD

0457-14081 7X0RY

0516-14099 ZC4LI

0517--7043 HR2DMR

0539-21089 JY4NE

0541-21082 7X0RY

0557--7036 KH6FI

0633-21088 UN8PIM

0635-21083 4X6UU

0648-14099 Z31MM

0741-14079 T93Y

0804-21081 DU1RB

0805-14085 P29ZAD

0806-14085 YB5AQB

0837-21076 T93Y

0838-21083 7X0RY

0843-14078 CN8LI

0854--7033 6K5AQY

0907-21093 Z31GX

0908-21078 CN8KD

0917-28086 7X0RY

0919-14077 JY4NE

0920-14088 BD3APX

0921-14073 E21YDP

0957-14104 TF3KX

1030--7035 YV5AAX

1035-14090 NP4BM

1051-14094 GD0TEP

1051-14073 JY4NE

1120-21085 E21YDP

1140-14102 LX1DA

1212-14084 TI8CBT

1330-18105 VQ9LA

1424-14086 OX3DB

1501-14088 VU2LBW

1516-18107 ZP4KFX

1523-14086 6W1SE

1818-14081 9G1UW

1908-14082 IS0AFM

1940-10141 T99C

2028-18107 LU7HF

2035-14082 JY4NE

2040-14086 XE3ISS

2104-10134 FM5JC

2123-14083 HK3SGP

2132-14083 CN8IG

2225-14088 EA6BH

2231-14085 YV6BFE

2243-14089 EA6BH

2243-14089 HC5T

2308 14080 CT3DL

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Monday 28

0238-14082 UN1EE

0255-14089 CX4SS

0908-14084 4L4CR

1155-14083 CU2AF

1157-18102 VQ9LA

1234-14084 JY4NE

1358-18102 UN1EE

1456-14087 T94KC

1504-14085 HZ1IK

1535-14086 6K2DFG

1717-14088 EA8RR

1723-14083 YI1OM

1759-14085 CN8IG

1824-10138 ES15L

1925-10143 T99C

1940-14086 CU2AF

2036-14080 9G1UW

2110-14086 6Y5WJ

Tuesday 29

0445-14081 UN1EE

0952-14086 4L4CR

1058-21083 CN8SG

1102-18100 OM7AG

1149-14082 SV5/SV1LK

1521-14083 HZ1IK

1550-14084 6K2DFG

1628-14084 ZS2EZ

1647-14084 YI1OM

1705-14087 6Y5WJ

1828-14084 EA6BH

1835-14081 HS0/IK4MRH

1901-14088 CN8SG

1952-14087 9G1UW

1958-14083 XU7ABN

2053-14086 3XM6JR
QSL via UA6JR

2119-14082 ZP8AE

2151-14093 Z31GX

Wednesday 30

0053-14083 6Y5WJ

0057-14083 HR2DMR

0106-14080 XQ1KY

1001-14083 3XM6JR

1503-14087 JY4NE

1522-14086 OX3PG

1553-14081 TF3GC

1801-18103 SV5/SV1LK

1839-24920 3XM6JR

1929-14087 SV9/SV1AVD

2103-10138 6W1SE

2157-14090 EC8AUZ

2216-14082 4X1UN

2254-14084 EA6BH

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Thursday 31

0204--7041 3XM6JR

1154-14088 CN8SG

1342-14083 HS0ZBS

1504-14082 EA8RR

1507-14087 JY4NE

1520-14084 4X4IRS

1531-14080 VU2PHD

1726-14081 OM5TX

1751-14083 SV5/SV1LK

1806-14087 IS0AFM

1812-14079 3XM6JR

1954-14084 9H4C

2044-14084 CN8IG

2116-14085 ZP8AE

2144-14080 3XM6JR

Notes of Interest

LESOTHO - 7P: Three German operators plan to be active from 7P

September 3 - 12 using CW, SSB, RTTY and PSK31 on 80m to 10m.

QSL via DL7JAN.

MAYOTTE - FH: Look for TX5T (DL2RUM) and TX5NK (DJ8NK) from Mayotte

August 31 to 11 September on 160m-10m CW, SSB, RTTY and PSK31.

QSL via home call.

The VK2SG RTTY DX NOTES are distributed every week via the

Winlink network, and are also available on the Internet at

URL http://mailman.qth.net/mailman/listinfo/vk2sg-rtty.

For next week's bulletin, send your bandpass and notes of

interest to Don, AA5AU, e-mail: aa5au@bellsouth.net

Goetz Linss DJ3IW

The Ohio/Penn DX Bulletin No. 773 excerpts

3A, MONACO

Patrice, F5RBB, will be active as 3A/F5RBB from September 2-10th. Activity will

be on 40/20/15/10 meters SSB. QSL via his home callsign.

3XM, GUINEA (Possible IOTA Ops)

Serge/UA6JR and Alex/RW3AZ will be active again from Boke as 3XM6JR and 3XD2Z,

respectively, starting August 29th "for the next few years". Activity will be on

160-6 meters CW, SSB and RTTY, plus PSK and SSTV (3XM6JR). Serge also plans to

activate IOTA groups AF-096 and AF-051 during his stay. He will also use the

special callsign 3XY3AZ during contest activities. QSL via UA6JR, direct or by

the bureau.

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5B, CYPRUS (Possibly ZC4!)

Colin, G3VCQ, will be active as 5B/G3VCQ from August 28th to September 6th.

Activity will be on all HF bands. Colin may also be active from the U.K. Sov.

Base Areas on Cyprus (ZC4) from time to time if a callsign is allocated. QSL via

G3VCQ.

7Q, MALAWI

Ely, IN3VZE, informs OPDX that he will be active as 7Q7CE from the southwest of

Lake Malawi starting September 18th and ending October 5th. Activity will be on

80-10 meters. QSL via IN3VZE, direct or via bureau. His address is: Ely Camin,

Corso 3 Novembre 136/2, 38100 - Trento - Italy.

9A, CROATIA

Gery, HB9TQF, will be active as 9A8TQF from August 28th to September 6th.

Activity will be from Grid Square JN83, probably the exact locator will be

JN83BB. Bands of activity were not provided, but he will be CW, SSB and FSK.

CT3, MADEIRA ISLANDS

Kresimir, 9A7K, will stay at Funchal between August 28th and September 4th.

During his free time he will visit radio club stations CS3MAD and Jose CT3HG,

and will be active as CT3/9A7K from IOTA AF-014. This is the first Croatian

amateur radio station active from DXCC entity Madeira and from IOTA AF-014. QSL

CT3/9A7K via his home callsign. Visit Kresimir's Web page at:

http://www.9a7k.com

DXCC NEWS

Bill Moore, NC1L, ARRL DXCC Branch Manager, sent out the following announcement.

DXCC Accreditation Clarification: Several QSLs for ZL7/KH0PR - Chatham Island

(May 2, 2005 - May 5, 2005) were inadvertently rejected. If you have had QSOs

rejected at DXCC, you can claim credit by contacting Bill Moore at

dxcc@arrl.org.

EA8, CANARY ISLANDS

Operators Valery/RD3AF, Valery/RX3DU and Alexandr/RZ3AZ will be active as EA8AH

during the CQWW DX RTTY Contest (September 23-24th) as Multi-2 entry. QSL via

RD3A.

FT/W and FT/X, CROZET AND KERGUELEN ISLANDS (Also 3B8)

By the time you read this, Gildas, TU5KG, may be active (August 27th) for 48

hours (maximum) from Mauritius Island (AF-049) as 3B8/TU5KG during his spare

time. Gildas will then travel south for 7 days, but at the moment does not know

if his destination will be Crozet Island (FT/W, AF-008) or Kerguelen Island

(FT/X, AF-048, DIFO FT-011). Further information should be received in about a

week. Note that Gildas returns to France in December. QSL via F4EFI, direct or

by the bureau.

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GD6, ISLE OF MAN

Chris, GM3WOJ (ZL1CT), will be active as GD6IA during the CQWW DX CW Contest

(November 25-26th) as a Single-Op/All-Band/High- Power entry. QSL via GD6IA:

GD6IA, PO BOX 1, PEEL CITY, ISLE OF MAN.

HB0, LIECHSTENSTEIN

Operators Andy/DG3XA, Joachim/DH9JK and DL1TX will be active as HB0/DG3XA,

HB0/DH9JK and HB0/DL1TX from Augstenberg (2349m ASL and GS JN47), between

September 2-9th. Activity will be on HF, 6 and 2 meters. The crew will enter the

September IARU-Region 1 Contest. More info is forthcoming.

IOTA NEWS

EU-125. Andy, DL4OK, will be active as OZ/NX1S from Roemoe Island, September

9-16th. Activity will be mostly on 40 and 20 meters (mode was not provided). QSL

via DL4OK, via bureau is okay. (no e-cards!)

NA-112. Members of Tennessee Valley DX Association (TVDXA) will be active again

on yet another mini DXpedition to Emerald Isle (North Carolina) as W4PL between

September 27th and October 7th. Activity will be on 80-6 meters including the

WARC bands, CW, SSB, RTTY and PSK31. Operators mentioned are: Kenny/AB4GG,

Kathy/W4KRY, Greg/WA4NFO, Barbarra/WA4RMC, Tony/W4FOA, Nancy/ K2NAN, Tom/K4VCM,

Lynn/K0MAI, Alan/N4HL (and XYL Janet), Charlie/AD4F, Larry/WA4IVO, Howard/KE4MBP

(and XYL Carol), Paul/N4LCD (and XYL Lydia), Tommie/K4KWK and Kay/KI4GYS. They

will arrive on the Island September 27th and at least have some stations going

that evening. QSL via K4KWK: Tommie Wright, 2344 Violette

Drive - Soddy Daisy,

TN 37379. Visit the Web page at:

http://www.tvdxa.com/W4PL%20Emerald%20Isle.htm

SPECIAL EVENT (IOTA Op)

As part of the 2006 Orkney International Science
Festival, special event station

GB1H will be active from September 7-10th from the Isle
of Stronsay (IOSA OR-08,

SCOTIA OI-18), Orkney Islands (EU-009). Members of the
Orkney Amateur Radio Club

will be assisting with a special event station powered
entirely by hydrogen gas.

This amateur radio station is believed to be one of the
first ever to use this

form of power, certainly within the United Kingdom. To
celebrate the fact that

this is the first known station to use hydrogen power
(from the UK), OFCOM has

kindly agreed for them to use the abbreviated callsign
GB1H ("H"; being the

chemical symbol for hydrogen). QSL direct to MM3LQK:
William Caithness, Bayview,

Stronsay, Orkney Islands, United Kingdom. The logs will
be uploaded to LoTW and

also e-QSL.

WP3, PUERTO RICO

Alfredo (Al), WP3C, will be active during the CQWW DX
RTTY Contest (September

23-24th) as a Single-Op/All-Band/Low-Power entry. QSL via
W3HNK. Visit the Web

page at:

http://www.wp3c.qth.com

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The Society can be contacted in the following ways: To
Pat VK2JPA via patleeper at optusnet.com.au or Col VK2CTD via ctdavies at
bigpond.net.au or you can drop a line to PO Box 93 Toongabbie NSW 2146.

73’s from Pat VK2JPA broadcast Officer

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